

REPLACEMENT SHEET

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<schema targetNamespace="http://www.foo.com/yellowpage"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:p="http://www.foo.com/personnel">

  <annotation>
    <documentation xml:lang='en'>
      The Contact Directory Records for foo.com
      Copyright 2003 foo.com. All rights reserved.
    </documentation>
  </annotation>

  <complexType name='AddressType' abstract='true'>
    <sequence>
      <element name='street' type='string'/>
      <element name='city' type='string'/>
    </sequence>
  </complexType>

  <!-- address type of different country -->
  <complexType name='USAddressType'>
    <complexContent>
      <extension base='p:AddressType'>
        <sequence>
          <element name='state' type='p:USState'/>
          <element name='zip' type='positiveInteger'/>
        </sequence>
      </extension>
    </complexContent>
  </complexType>

  <!-- etc. ... -->

  <complexType name='employeeType'>
    <sequence>
      <element name='name' maxOccurs='1'/>
      <complexType>
        <sequence>
          <element name='lastname' type='string' maxOccurs='1'/>
          <element name='firstname' type='string' maxOccurs='1'/>
        </sequence>
      </complexType>
    </element>
    <element name='address' type='p:AddressType' maxOccurs='1'/>
    <element ref='notes' minOccurs='0'/>
  </sequence>
  <attribute name='serno' type='integer'/>
  <attribute name='userid' type='p:USERID_TYPE'/>
  <attribute name='department' type='string'/>
</complexType>

  <complexType name='VendorType'>
    <sequence>
      <element name='name' type='string' maxOccurs='1'/>
    </sequence>
  </complexType>

  <complexType name='AddressType' type='p:AddressType'
    maxOccurs='1'/>
    <element ref='notes' minOccurs='0'/>
  </sequence>
  <attribute name='serno' type='integer'/>
  <attribute name='userid'
    type='p:VENDOR_USERID_TYPE'/>
  </complexType>

  <element name='yellowpages'>
    <complexType>
      <choice minOccurs='1' maxOccurs='unbounded'>
        <element name='employee' type='p:employeeType'/>
        <element name='vendor' type='p:VendorType'/>
      </choice>
    </complexType>
  </element>

  <element name='notes' type='string'/>

  <element name='employee_notes' type='string'
    substitutionGroup='p:notes'/>
  <element name='employer_notes' type='string'
    substitutionGroup='p:notes'/>

  <!-- Customized Simple data type declaration -->
  <simpleType name='USERID_TYPE'>
    <restriction base='string'>
      <pattern value='[a-zA-Z]{1}[1-9a-zA-Z]*/>
    </restriction>
  </simpleType>

  <simpleType name='VENDOR_USERID_TYPE'>
    <restriction base='string'>
      <pattern value='[0-9]{1}[1-9a-zA-Z]*/>
    </restriction>
  </simpleType>
</schema>

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FIGURE 3